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	part from AT weapons, the	following were	leveloped;					
	Rocket projectiles, Hentschel-298, with liquid fuel. These were small airplanes, suspended from the hulls of larger aircraft and released against the targets (bunkers or ships) only when the latter had come into sight. In order to remain visible to the pilot after being fired, the projectile was fitted at its tail with brightly surning luminous discs of powder which were ignited at release. The projectile was controlled from the aircraft by an electro-magnetic gyroscope (short wave control), the aircraft carrying a transmitter, the body of the projectile the receiving set. The propulsion was effected by means of water-diluted methyl alcohol aided by compressed air. On releasing the projectile, the pilot electrically ignited a percussion cap in the compressed-air valve, thus perforating a tin diaphragm so that compressed air flowed into a rubber balloon							
	in the fuel container. As fuel through the pipe cond where it was ignited, the	the balloon explaint into the com	anded, it force bustion chambe	eo r.				
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com ressed air was supplied from a built-in compressed air cylinder. Experiments against ground targets were made in late February and early in Parch 1949, in PLACKY (P 49/S 72), Slovakia. Experiments on the Yugoslavian coast had also been arranged but due to the political situation did not take place. Only 3 of the 50 available projectiles at the Filitary Technical Institute in FORMAXY have been fired.

The experiments were directed by staff captains Otto GROSS-TATE and REAL. The main experiments were done with the transmission sets and engines. An experimental transmitter for controlling the exhaust gases was installed. It was thought that original projectiles, Fentschel-298, were concerned, which were only tested and fitted with transmitters, each costing about 1 million Czech crowns. The rocket projectiles of this kind were not built at the FOYOVEY The bory Technical Institute.

According to rumors, these operations were to be transferred to the area 11 miles northeast of OLOMOUS (**20/185), probably STERNBERK (**20/185) (Lunatic Asylum).)

2. lockets with liquid propellants were being developed under the nanagement of Staff Capt. Otto Cholking and Liber Follych. Constructional designs were not available and only six experiments have been ade in the bunker of the lilitary-lechnical Justitute, five of them failing.

A rocket motor similar to that used with the rocket projectile Tentschel-298 is concerned. The imition was effected without a fuze, viz., by means of an anilin-like substance merging with nitric acid. For the experiments steel cylinders containing compressed air, cylinders with nitric acid, and special white cylinders with the apilinlike substance were used. A valve was opened with the Lentschel-298 rocket projectile, when the liquid with compressed air passed into the combustion chamber, the mixture causing an explosion; the gases escaped through a nowale.

3. Assisting rockets for airplane take-offs.

The take-off assisting rocket was first built for c-109 and was about 50 inches long, with a diameter about 51; inches. It was a steel tube with attachment books, fitted at the forward end with a stream-lined lug and at the rear with a nozzle. The propelling charge was a powder rod weighing about 50 lbs. Small strips of wood were fixed to its surface with small pins, and there was a 0.6-inch bore-hole for the passage of the rases in the middle of the nowder rod. Dehind the propelling charge a grate was attached. The powders were tested in the subterranean bunker. The chambers had a standard steel tube closed by a lid on one side, the apposite side being fitted with an exchangeable nozzle. The gas pressure was measured and the nozzle pressure and burning time were determined. The powder samples were later sent to 30 THM for the namufacture of charges.

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The take-off assisting rockets were tested on "e-109 planes at the NBELY airfield.

The manufacture of take-off rockets for Dakota planes was started in late Tarch 1949. They were said to be 6.6 feet long with a diameter of 15.78 inches.

4. Turbojet power units were built only in Czechoslovakia at the Lilitary-Technical Institute at PODFOLLY, where the disassembled engines left by the Germans were put together again. This was formerly the case with the Juno engines which, after completion, were fitted into the e-262 plane.

Tive RY-003 our ness were

being assembled under the direction of Oldrich TURTA, his two assistants Bohous TTATDA and Tyzen CA BOUT, and two mechanics of the LIBUREC Tilitary Specialist School for Lireraft Mechanics. These engines had been sent to LUTHATY for testing prior to Christmas 1948 and had been taken over by Eng. MULMTA, had been returned to TODECLY, then shipped back to LETHATY for installation in planes after the wing attachments had been fixed to them. It was intended to install them in Czech type aircraft.

The hourly fuel consumption of this HT-003 power unit was 258 callons. The mixture was pure petroleum with a small quantity of aviation oil. The engines were started by a middle casoline orgine, which started the main shaft with the compressor and the turbine wheel. The about 700 r.p.m., the fuel was forced up by the injection nozzles and ignited in the combustion characters.

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a. It has been repeatedly reported that in a section of the lilitary sechnical Institute in PODMOKLY research work is done on suided missiles. The present report confirms these statements.

b. Dating from October 1946, other information is available that mark had been resumed in the subterranean plant in PODMOKLY, which was built for the manufacture of V-weapons. This plant was located between the freight station and the libe liver on the premises of the former etallwarks V.A. Lange (now belonging to the mationalized plant of Pochmische Tetallwalzwerke (Bohemian etal lilling orks) and the TG (now belonging to the CKD). The type of V-weapons to be manufactured there is not known. The existing suided missiles indicate that probably part of this production was treasferred to BODE TACU.

c. It seems credible in the case of the reported guided missiles, that it is not the question of postmar production, but of the assembly and testing of parts manufactured during the mar, as Ozechoslovakia lacks the required technical specialists. In the case of the guided missiles it probably reads lentschel 293 instead of lentschel 298 as, according to the description, guided missiles for use against ground targets are concerned. Iso the Us-298 was propelled by a two-stage ponder rocket, but the Us-295 rocket was made for different limits of propulsion (methodol liquefied 02 or an omilin liquid as contioned in para 2).

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- d. There is a large troop training grounds in MALACKY where aircraft and ground meanons are tested.
- e. large-scale tests of aircraft meapons had been made in Yugoslavia by Czechoslovakia before the mar, especially in C.TT.RO or the larst region mear 105TAR

therefore, were provided for executests in Vaccelavia, but not for Yagoslavia).

- f. The use of rockets as take-off assisting devices and flight accelerators (flight boosters) was demonstrated, on aviation Day, in TO CHO (September 1947) by the Czech ir Force. These statements are therefore considered correct.
- g. The statements on the assembly of turbojet power units are also considered correct. The fact that, from now on, Czechoslovekia will use pure petroleum as fuel for turbojet power units was not known.
- h. In REICHSNBACH/LIBEREC there is the School for Flight Mechanics.

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